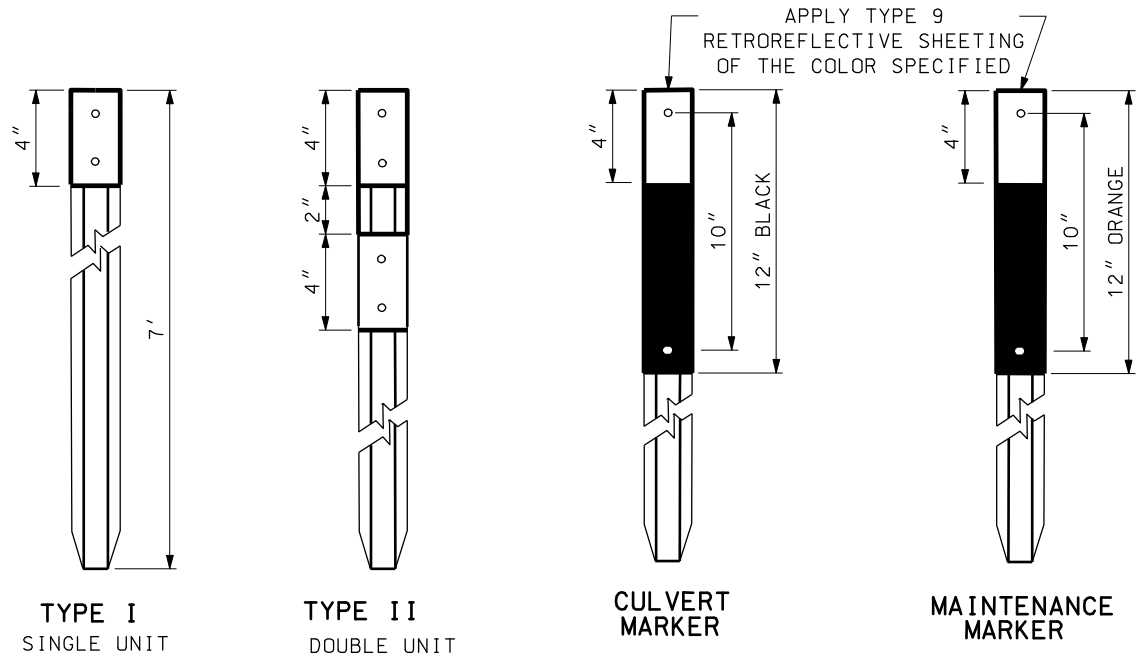


92-DEC-2008 D:\DWG Files\Standard Drawings\Impervious\2008\approved\Impervious\Supplemental Issues\Supp4\approved\SW99.dgn



TYPE I  
SINGLE UNIT

TYPE II  
DOUBLE UNIT

CULVERT  
MARKER

MAINTENANCE  
MARKER

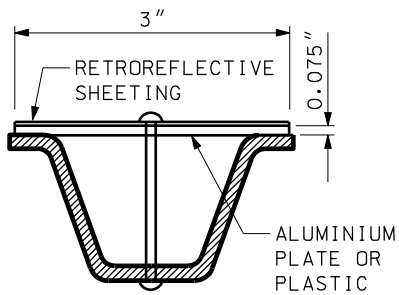
( OF COLOR SPECIFIED )

SEE NOTE 2

SEE NOTE 2

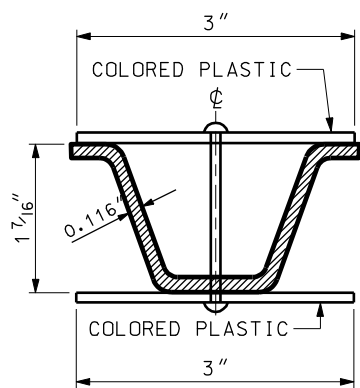
SEE NOTE 1

SEE NOTE 1



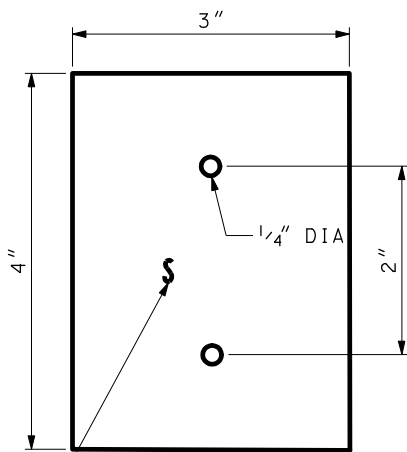
DELINEATOR  
INSTALLATION

SEE NOTE 8



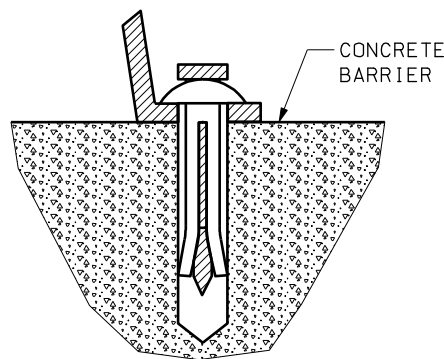
CULVERT/MAINTENANCE  
MARKER INSTALLATION

FOR 2 LB/FT POST WITH COLORED  
PLASTIC ATTACHED. SEE NOTE 2



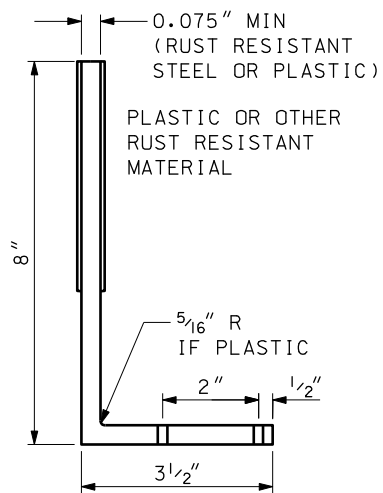
DELINEATOR PLATE

SEE NOTE 8

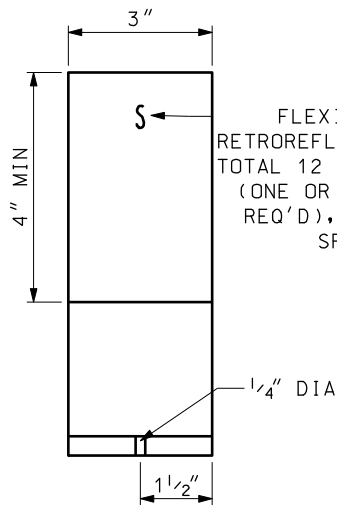


METAL HIT ANCHORS

SEE NOTE 3

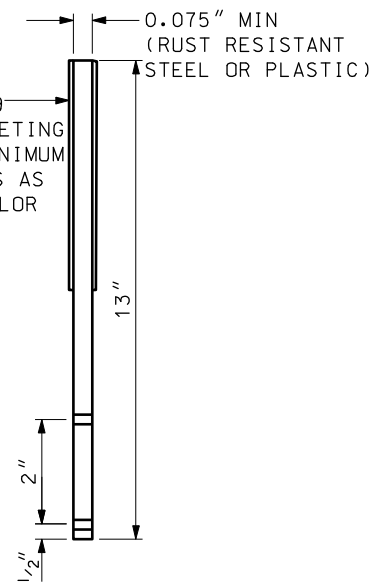


"L" REFLECTOR

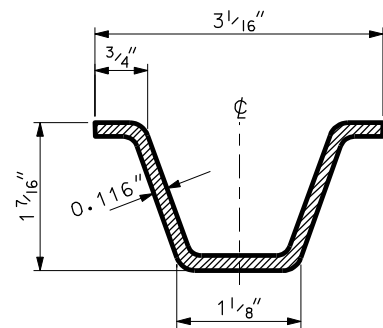


BARRIER REFLECTORS

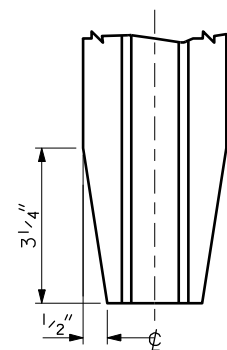
SEE NOTES 3, 4, 5, 6, 7



STRAIGHT REFLECTOR



CROSS SECTION  
FOR 2 LB/FT POST



POST TAPER DETAIL

## NOTES:

1. USE GALVANIZED STEEL POSTS FABRICATED WITH  $\frac{5}{16}$ " HOLES ON 1" SPACING OR FLEXIBLE DELINEATORS AS SPECIFIED IN STANDARD SPECIFICATION 02842. PUNCH HOLES ON THE CENTERLINE OF THE POST. PLACE TOP HOLE 1" FROM THE TOP OF POST. PUNCH HOLES THE FULL LENGTH OF THE POST.
2. ATTACH 3" X 12" X  $\frac{1}{10}$ " COLORED PLASTIC OF THE COLOR SPECIFIED ON CULVERT AND MAINTENANCE MARKERS. USE BLACK ABOVE ORANGE WHEN BOTH MARKERS (MAINTENANCE AND CULVERT) ARE REQUIRED ON ONE DELINEATOR.
3. MOUNT BARRIER REFLECTORS ON CONCRETE AND BRIDGE PARAPETS WITH TWO  $\frac{1}{4}$ " X  $\frac{1}{4}$ " METAL HIT ANCHORS.
4. MOUNT BARRIER REFLECTORS ON CONCRETE BARRIER AS SHOWN ON STD DWG BA 1B.
5. MOUNT STRAIGHT REFLECTORS ON WOOD POSTS WITH TWO  $2\frac{1}{2}$ " ELECTRO GALVANIZED RING SHANK NAILS WITH NEOPRENE WASHERS.
6. MOUNT STRAIGHT REFLECTORS ON STEEL POSTS WITH TWO  $\frac{1}{4}$ " X  $\frac{3}{4}$ " BOLTS AND SELF LOCKING NUTS.
7. MOUNT BARRIER REFLECTORS ON GUARDRAIL POSTS AS SHOWN ON STD DWG BA 4A.
8. INSTALL DELINEATOR PLATE ON THE SIDE OF THE POST FACING TRAFFIC. PREFERRED ORIENTATION OF POST TO ONCOMING TRAFFIC IS AS SHOWN. HOWEVER, EXISTING POST WITH THE OPPOSITE ORIENTATION IS ACCEPTABLE. INSTALL ON OPEN FACE SIDE WITH TWO  $\frac{1}{4}$ " DIAMETER EXPANSION RIVETS (GRIP RANGE  $1\frac{3}{8}$ " TO  $1\frac{5}{8}$ "). INSTALL ON OPPOSITE SIDE WITH TWO  $\frac{1}{4}$ " POP RIVETS WITH BACKING WASHERS.
9. REFER TO STD DWG ST 2 FOR FREEWAY CROSSOVER DELINEATION MARKINGS AND HARDWARE.

| REVISIONS   |          | NO. |  | DATE        |  | REMARKS |  |
|---|----------|-----|--|-------------|--|---------|--|
| 1   | 10-30-08 | BA  | NOTE 1 MODIFIED TO ADD FLEXIBLE DELINEATOR REQUIREMENTS. |             |  |         |  |
| UTAH DEPARTMENT OF TRANSPORTATION<br>STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION<br>SALT LAKE COUNTY |          |     |  |             |  |         |  |
| RECOMMENDED FOR APPROVAL  |          |     |  | OCT.30.2008 |  | DATE    |  |
| CHAIRMAN STANDARDS COMMITTEE  |          |     |  | OCT.30.2008 |  | DATE    |  |
| DEPUTY DIRECTOR   |          |     |  | OCT.30.2008 |  | DATE    |  |
| STANDARD DRAWING TITLE  |          |     |  |             |  |         |  |